









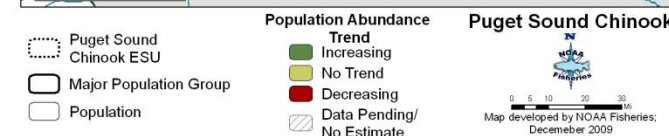
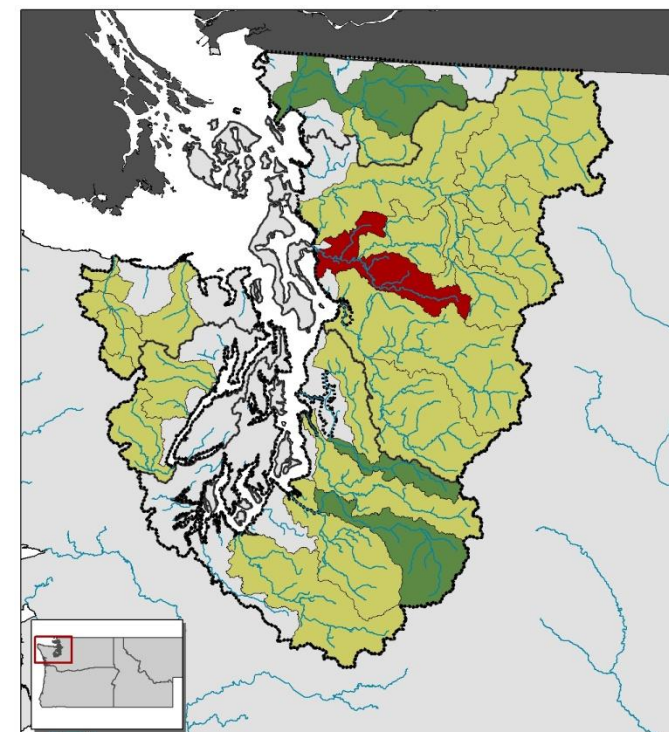




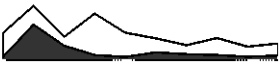









PUGET SOUND CHINOOK: 1999-2008

ESA LISTING STATUS: Threatened 1999

MPG Population		Trend category	Trend (slope of ln natural-origin abundance)	10-year Spawning Abundance 1999-2008 black= natural-origin, line= total	10-year Geometric Mean (Total Spawners)	10-year Geometric Mean (Natural-origin Spawners)
North East	Lower/North Fork/Middle Fork Nooksack	Increasing	0.18		2017	181
	South Fork Nooksack River	No trend	0.00		273	156
Central East	Lower Skagit River	No trend	0.00		2319	2251
	Upper Skagit River	No trend	0.06		11125	10573
	Cascade River	No trend	0.05		304	298
	Lower Sauk River	No trend	0.04		673	659
	Upper Sauk River	No trend	0.06		376	375
	Suittie River	No trend	-0.06		345	338
	North Fork Stillaguamish River	No trend	-0.05		1025	586
	South Fork/Mainstem Stillaguamish River	Decreasing	-0.16		165	165



This summary sheet contains abundance trend information compiled from state and tribal sources using methodologies developed by the NWFSC Technical Recovery Teams. It is intended for summary information purposes; please see <http://www.nwfsc.noaa.gov/> for more detailed information on population and ESU status. Trend was calculated as the slope of the linear regression of log transformed natural origin spawning abundance over the last 10 years of available data. See [Good et al. \(2005\)](#) for details. Trends with a p -value < 0.05 were classified as "no trend".

MPG Population		Trend category	Trend (slope of ln natural-origin abundance)	10-year Spawning Abundance 1999-2008 black= natural-origin, line= total	10-year Geometric Mean (Total Spawners)	10-year Geometric Mean (Natural-origin Spawners)
South	Skykomish River	No trend	0.02		4221	2522
	Snoqualmie River	No trend	0.01		1996	1662
	Sammamish River	No trend	-0.11		236	56
	Cedar River	Increasing	0.19		510	367
	Green River	No trend	-0.03		10055	5000
	White River	Increasing	0.18		1324	1084
Central West	Puyallup River	No trend	-0.09		1470	776
	Nisqually River	No trend	-0.05		1426	772
	Skokomish River	No trend	0.05		1315	454
North West	Mid-Hood Canal	No trend	-0.03		1315	932
	Dungeness River	No trend	0.11		418	56
	Elwha River	No trend	-0.04		688	311

ESU ABUNDANCE TREND: NO TREND

Trend Category	# of populations
Increasing	3
No trend	18
Decreasing	1

Spawning abundance estimates were available for all 22 populations through 2008. Although there was considerable variability in spawning abundance over the last ten years, the majority of populations showed no significant trend, therefore the overall ESU status is 'no trend'

Abundance is only 1 of 4 Viable Salmonid Population indicators. The other factors - productivity, diversity, spatial structure - also influence ESU status.